



RELEASE NOTES

NetVanta 7000 Series Products
AOS version A4.09.00
October 13, 2011

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Introduction

AOS version A4.09.00 is a maintenance release that addresses customer issues that were uncovered in previous code releases.

This release is generally available code, meaning that it has been subjected to both design verification and product qualification testing. Results obtained during this testing have been evaluated and the code has been determined to be ready for general availability. Caveats discovered during testing but not addressed in this build are listed in *Errata on page 5*.

A list of new or updated documents for this release appears in *Documentation Updates on page 9*.

Configuration guides, white papers, data sheets, and other documentation can be found on ADTRAN's Knowledge Base, <http://kb.adtran.com>. The contents of these release notes will focus on the ADTRAN's IP telephony products.

Supported Platforms

- NetVanta 7100 – IP Communication Platform
- NetVanta 7060 – IP PBX

Required Phone Firmware

For AOS version A4.09.00, the following phone firmware is required to address issues found in the field and to support new features.

- ADTRAN IP 700 Series Phones – Version 1.3.16 with 1.3.12 bootcode
- Polycom IP 321/331 Phones – Version 3.1.3C and version 4.1.2b bootrom.
(This version is available as a supplemental download and not necessary if IP 321/331 phones are not installed.)
- Other ADTRAN approved Polycom Phones – Version 3.1.3b application and version 4.1.2b bootrom
- For legacy Polycom phones (IP 601, 501, 430, 4000) – Version 3.1.7

These files can be downloaded from <http://www.adtran.com/support>, select **Software Downloads**, and choose the appropriate phone model from the **IP 700 Series**. Contact ADTRAN Post Sales Technical Support at (888) 423-8726 or email: support@adtran.com, if you are unable to download these files.

System Notes

This section explains changes pertaining to the system installation for AOS version A4.09.00.

- IP 700 Series phones will not play the ringback tone when they receive a 180 Ringing response after a 183 Session Progress response.
- Adding a T1/E1 link to an existing Multilink PPP bundle using the GUI causes the PPP link to bounce when applied. The PPP link will go down and immediately recover; however, some packets could be lost. To work around this issue, a T1/E1 can be added using the CLI, and the link will stay up while the addition is applied.

- FindMe-FollowMe treats all calls from the auto attendant as internal calls.
- SNOM M3 phones do not support attended transfer at this time. This and other caveats will be documented in a future configuration guide for using the SNOM phones with the NetVanta 7000 Series.

Features and Enhancements

This section highlights the major features, commands, and behavioral changes for AOS version A4.09.00.

- There were no major features, commands, or behavioral changes for AOS version A4.09.00.

Fixes

This section highlights major bug fixes in AOS version A4.09.00.

- Calls from NetVanta 7100s to a ring group failed due to double reINVITE timing.
- Packet replication resource leak when a digit was pressed by a caller in a Call Queue.
- Debug output was added for potential analog driver errors.
- Personal Phone Manager did not display a Name for the Caller ID List.
- After a time, the NetVanta 7100 might not be able to reserve NAT ports, which caused a 200 OK response to be sent to a SIP trunk provider with no SDP.
- In the rare instances, a SIP phone (Polycom 501) used a SPRE code (*33xxxx) to forward a call to itself. This could cause the system to reboot.
- Calls to a ring group would not ring all members. When **num-rings** was set to **0** and a ring group received more than one inbound call, the second call was disconnected.
- When active calls were cleared using the **clear voice call active** command, they continued to appear in **show voice call summary active** command output.
- When a NetVanta 7100 was configured for French (Canadian), some GUI menus would display HTML code and errors. The locations were as follows:
 - SYSTEM -> services IP
 - SYSTEM -> MOTS DE PASSE -> login configuration submenu
 - SYSTEM -> NOM D'HOTE/DNS -> Ajouter/Modifier/Supprimer submenu

Errata

The following is a list of errata that still exist in AOS version A4.09.00.

- Portal Lists could be created with invalid characters.

- When a voice user's standard greeting stored on the CompactFlash becomes corrupted, the voicemail system does not failover to the voice user's default greeting.
- Issuing the **show voice call summary active** command causes the AOS unit to reboot.
- Insufficient memory causes the AOS unit to reboot.
- On occasion, an analog trunk cannot connect to a new call on another analog trunk using the digit actions in auto attendant.
- Call coverage to an external number (incoming FXO, outgoing FXO) does not always succeed.
- In the NetVanta 7100, when placing a call in the ETSI PRI to SIP direction, the call fails to connect and the B channel(s) become stuck in an active state. When placing a call in the SIP to ETSP PRI direction, calls functions normally.
- The Update Directories GUI action does not update all of the selected Polycom IP phones; only the first one checked.
- The auto attendant timeout prompt cannot be set when using the Transfer to a Menu action.
- Loss of connectivity between a NetVanta 150 Access Point and a NetVanta access controller can cause the access controller to reboot.
- The GUI option to Upload Firmware from Default Firmware selection tab under IP Phone Globals > Boot Settings fails with an error.
- New phone configurations created using the manual input method for existing users with nondefault SIP authentication passwords will not be created with the correct password.
- PRI interface channel status is displays incorrectly in the CLI when the NetVanta 7100 is configured for a T1 system country.
- The clock source for a WAN T1 cannot be configured from the GUI.
- If a 500 Server Internal Error with a Retry-After header is received in response to a request, the call is dropped instead of retrying the request after the time specified in the Retry-After header.
- A Rebuild All action on NetVanta IP Phone Configs menu of the GUI incorrectly reports an error of Rebuild Operation Failed.
- SIP 200 OK reply to SIP INVITE with sendonly media attribute does not contain SDP attribute for recvonly or inactive
- The Slot LED for an FXO/FXS VIM always remains red.
- Unknown reboot causes CompactFlash corruption.

- The Maximum Transmission Unit (MTU) cannot be changed on the eth 0/0 interface. An error occurs stating that an IP address must be configured first even if an IP address has already been assigned to that interface.
- A blank Ring Group Caller ID Prefix prevents the caller ID number from displaying on an IP Phone.
- A reboot occurs for unknown reasons.
- The NetVanta 7100 locks up with certain SMTP configurations. A reboot is required to restore service.
- In the Personal Phone Manager when configuring FindMe-FollowMe when **Ring Extension** was the first option and the second option was **And Ring Extension**, the second option was deleted when applied.
- In the Personal Phone Manager when configuring FindMe-FollowMe when **Ring External** was the second option and the third option was **And Ring External**, the third option was deleted when applied.
- The IP Phone Globals menu (from the NetVanta 7100 GUI) will not load when system language is set to French.
- debug sip stack messages notify does not show full message body
- debug sip stack messages publish does not show message body
- In the VQM RTP Monitoring menu, the **Source IPs** and **Interfaces** menus have invisible data points that appear and display data when the cursor hovers over them. The invisible data point information duplicates a visible data point and can usually be found hidden above the visible data point.
- In the VQM RTP Monitoring menu, the refresh button refreshes the displayed graphic, but it also duplicates information in the lower part of the menu. Also, when the cursor hovers over a data point, it displays multiple instances of the same data. The problem can be cleared up by clicking **RTP Monitoring** in the side navigation bar, but any subsequent refresh data clicks results in the same condition.
- Occasionally, fax/modem tone detection fails on analog trunks, preventing modem passthrough from working.
- A 503 Service Unavailable response is received if a NetVanta 7100 is configured for MLPPP, the user deletes the PPP interface, then goes to a T1 interface that shows a PPP connection, and clicks on the PPP link.
- Music on Hold does not work on an inbound call transferred from another NetVanta 7100.
- Calls become stuck in the parked state and cannot be retrieved.
- An unknown error occurs when applying changes to RTP monitoring in the GUI.

- If an administrator attempts to enter an invalid external number user account call coverage from the GUI, they must then exit the user configuration and then re-edit the user account in order for any call coverage changes to be properly applied.
- If a port-to-port FXS call is made, the first outbound FXS SIP call will fail DTMF digit detection. Every subsequent FXS SIP call will function properly. (NetVanta 7100, 6355, 6310, 6330 platforms ONLY.)
- If a voicemail message is forwarded from one SIP user to another, the Fast Forward and Rewind operations cannot be used to manipulate the voicemail message.
- After receiving a reINVITE with an RTP payload type 101, the NetVanta 7100 refuses to accept the 101 payload type.
- When email logging is configured and excessive events are being logged, the AOS unit's memory can become depleted causing a reboot.
- SIP authentication using a 16-digit password fails.
- T.38 FAX call tests fail after T1 PRI loss and system timing shifts. A reboot is required to clear the condition.
- Incoming calls to a SIP trunk could be disconnected when attempting a blind transfer from one SIP phone to another.
- With an NTP server configured, the Summary GUI menu displays the status of the SNTP server as not configured.
- Setting the Registration Expire Time in the GUI's SIP trunk configuration to **Server Default** results in an invalid configuration. This setting will be ignored upon reboot and revert back to the default value of 3600.
- When using call coverage, setting the Ring Extension to **Never** results in a three-second delay delivering voice traffic to the ADTRAN phone.
- A received PPP PAP Authen-Ack packet with a lot of padding, is detected as an invalid packet.
- An Accept template cost for Local Calls only display as Low Cost.
- Enabling **ip ffe** on an AOS voice product can cause the caller to hear silence for the first few seconds of a call.
- A five-digit ring group cannot be created through the GUI. A workaround is to configure the ring group from the CLI.
- Fax calls will not process between the NetVanta UC Server and the NetVanta 7100 after the 7100 sends T.38 reINVITE.
- Polycom phone configurations were created with incorrect dial plans.

- If a call to a ring group comes in a PRI interface with redirecting number enabled and it is transferred back out of the same PRI, the ISDN redirecting number will contain the extension of the ring group member that answered the call instead of the number that was originally called. This will likely cause the call to be rejected.
- An ISDN redirecting number does not function properly with DID configurations. Using DIDs causes the redirecting number to contain the extension of the voice user that was called instead of the number that was originally dialed. Aliases rather than DIDs must be used for the ISDN redirecting number to function properly.
- The NetVanta 7100 does not send SDP in the PRACK request when FindMe-FollowMe calls an external number and the softswitch sends a 183 Session Progress response with SDP. A workaround is to use the **no grammar supported 100rel** command on the SIP trunk.

Upgrade Instructions

Upgrading ADTRAN products to the latest version of AOS firmware is explained in detail in the configuration guide [Upgrading Firmware in AOS](http://kb.adtran.com) (ADTRAN's Knowledge Base article 1630), available at <http://kb.adtran.com>. Firmware upgrades are available on the [Support/Software Downloads](http://www.adtran.com) section of ADTRAN's website at <http://www.adtran.com>.

Documentation Updates

The following documents were updated or newly released for AOS version A4.09.00 specifically for the IP Telephony products.

- There were no updated or newly released documents for AOS version A4.09.00.